**Numbers**

**(Classifying activity)**

**Level 1/ 2/ 3\_ solution**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ( ) Class:\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Instructions:**

1. Find out the definition (meaning) of the mathematical terms (vocabulary) and study the classifying key, which you will use for the next step.
2. Write the given numbers, which match the terms in the same box (you might use a number more than once).
3. Give 1 example for each type of numbers (except for the 0 and 1 boxes), write your example in red.

|  |  |  |
| --- | --- | --- |
| **Given mathematical terms:** | | **Given numbers:** |
| **Real Numbers,**  **Rational Numbers,**  **Irrational Numbers,**  **Non-integers,**  **Integers / Whole Numbers,**  **Natural number,**  **Negative Integers,**  **Zero,**  **Positive Integers,**  **One,**  **Prime Numbers,**  **Composite Numbers.** | **實數，**  **有理數,**  **無理數，**  **非整數，**  **整數，**  **自然數，**  **負整數，**  **零，**  **正整數，**  **一，**  **素數/ 質數,**  **合數** | Macintosh HD:Users:clyeung:Desktop:Screen Shot 2014-08-27 at 4.51.14 pm.png  1, 2, 3, 6, 7, 8, 9, 10, 11 |

**Real Numbers**

**e.g. -10, ϕ, 88, 6.5, 17,**

**-5, -3, -, -, 0, 1.2, , , 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11**

**Irrational Numbers**

**e.g. ϕ**

**,**

**Rational Numbers**

**e.g. -10**

**-5, -3, -, -, 0, 1.2, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11**

**Zero**

**0**

**Composite Numbers**

**e.g. 88**

**4, 6, 8, 9, 10**

**Positive Integers**

**e.g. 88**

**1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11**

**Negative Integers**

**e.g. -10**

**-5, -3,**

**Natural number**

**e.g. 88**

**0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11**

**Integers /**

**Whole Numbers**

**e.g. 88, -10**

**-5, -3, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11**

**Non-integers**

**e.g. 6.5**

**-, -, 1.2,**

**One**

**1**

**Prime Numbers**

**e.g. 17**

**2, 3, 5, 7, 11**